

3M HDT Heat Shrink Tubing

Category : Polymer , Thermoset

Material Notes:

3M Heat Shrink Tubing HDT is a designed to provide reliable performance as well as excellent mechanical and environmental protection. This flame-retardant product combines the important advantage of easy handling and installation with maximum operating reliability and system protection. The tubing comes with a factory-applied sealant. This sealant is a heat-activated thermoplastic material that remains soft and flexible over long periods under adverse environmental conditions. During heating the sealant softens, bonds to underlying surfaces and fills small voids that might be present. When cool, the sealant forms a barrier against water, moisture, dirt and other environmental contaminants. Heavy-duty tubing is fabricated from specially formulated cross-linked polyolefin, assuring long-term environmental protection. The tubing is also highly chemical, abrasive and split resistant. The tubing is rated from continuous operation at -55°C to 110°C. Minimum shrink temperature is 121°C. Uncoated product (without sealant) is available on special order. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-HDT-Heat-Shrink-Tubing.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	
Water Absorption	0.020 %	0.020 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	10.3 MPa	1490 psi	Solvent Resistance
	16.5 MPa	2390 psi	
Elongation at Break	475 %	475 %	
	225 %	225 %	Heat Aged
	@Temperature 175 °C, Time 1.21e+6 sec	@Temperature 347 °F, Time 336 hour	
2% Secant Modulus	0.0965 GPa	14.0 ksi	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Strength	7.87 kV/mm	200 kV/in	Solvent Resistance
	19.7 kV/mm	500 kV/in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China